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FAX NO.: 8.1.571.273.8300**DATE:** October 19, 2007**FROM:** J. Paul Plummer (713) 431-7360**Fax No.** (713) 431-4664Transmitted by: **Monica J. Stansberry**

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RECEIVED IN THE UNITED STATES PATENT AND TRADEMARK OFFICEUS PATENT APPLICATION NO.: 10/583,459 filed on June 19, 2006ATTORNEY DOCKET NO.: 2004UR004INVENTOR(S): Arthur H. ThompsonTITLE: Electrode Configurations for Suppression of Electrostatic Source Noise**ENCLO**

Transmittal Form.....[1 page(s)]
Response to First Office Action.....[11 page(s)]

TOTAL NUMBER OF PAGES TRANSMITTED:**13***(Including This Cover Page)***Mailing Address:**P. O. Box 2189
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PTO/SB/21 (04-07)

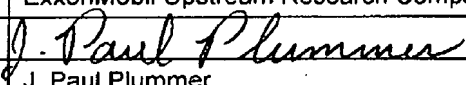
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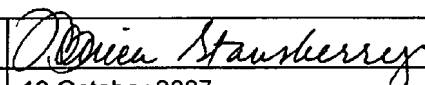
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/583,459
	Filing Date	06/19/2006
	First Named Inventor	Arthur H. Thompson
	Group Art Unit	3663
	Examiner Name	Deandra M. Hughes
Total number of pages in this submission	Attorney Docket Number	2004UR004

ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> 1. 2.
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT			
Firm Name	ExxonMobil Upstream Research Company		
Signature			
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Date	19 October 2007	Reg. No.	40,775

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Signature	 Monica J. Stansberry
Date	19 October 2007

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Application No. : 10/583,459 Confirmation No.: 3699
Applicant : Arthur H. Thompson
Filed : June 19, 2006
TC/Art Unit : 3663
Examiner : Deandra M. Hughes
Docket No. : 2004UR004

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Via Facsimile: 8.1.571.273.8300

RESPONSE TO FIRST OFFICE ACTION

Sir:

This communication is in response to the Office Action mailed July 25, 2007 concerning the above identified patent application.

Remarks begin on page 2 of this paper;

Amendments to the Claims begins on page 4 of this paper;

Conclusion begins on page 10 of this paper.